

U. S. DEPARTMENT OF LABOR
OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION
MATERIAL SAFETY DATA SHEET

SECTION I

Manufacturer's Name ELF AQUITAINE ASPHALT, INC.		Emergency Telephone No. 812/232-0421
Address (Number, Street, City, State and ZIP Code) 1000 EXECUTIVE PARKWAY P. O. BOX 27327 ST. LOUIS MISSOURI 63141		
Chemical Name and Synonyms ASPHALT EMULSION	Trade Name and Synonyms CMS-2S	
Chemical Family PETROLEUM HYDROCARBON & WATER	Formula	

SECTION II INGREDIENTS

INGREDIENTS	C.A.S. NO.	%
ASPHALT	8052-42-4	55-70
FUEL OIL	8008-20-6	5-20
WATER	7732-18-5	25-35
TALLOW ALKYL AMINE	61790-33-8	0.3-0.6
HYDROCHLORIC ACID	7647-01-0	0.15-0.3

SECTION III PHYSICAL DATA

Boiling Range	212°F	Specific Gravity (H ₂ O=1)	0.97-1.00
Vapor Pressure (mm Hg.)	23.7	Percent Volatile by Volume (%)	30-55
Vapor Density (Air @ 1)	>1	Evaporation Rate (water = 1)	1
Solubility in Water	SLIGHTLY MISCIBLE		
Appearance and Odor	LOW TO MEDIUM VISCOSITY, BROWN LIQUID. VERY LITTLE ODOR.		

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used)	Flammable or Explosive Limits (Percent by Volume in Air)	Lower Limit	Upper Limit
Does not apply in emulsion state			
Extinguishing Media			
Non-flammable in emulsion state			
Special Fire Fighting Procedures			
None			
Unusual Fire and Explosion Hazards			
None			

SECTION V HEALTH HAZARD DATA

Threshold Limit Value
Not established
Effects of Overexposure
Prolonged or repeated contact at warm or ambient temperature may cause skin irritation.
Emergency and First Aid Procedures
In case of skin contact with product, wash with soap and water. Waterless hand cleaner may be used to aid in removal from skin. If material is splashed into eyes, flush with clean water and contact a physician.

SECTION VI REACTIVITY DATA

Stability	Unstable		Conditions to Avoid
	Stable	X	
Incompatibility (Materials to avoid)			
Hazardous Decomposition Products			
Hazardous polymerization	May Occur		Conditions to Avoid
	Will Not Occur	X	No hazardous polymerization will occur upon decomposition.

SECTION VII SPILL OR LEAK PROCEDURES

Steps to be Taken in Case Material is Released or Spilled

Create dikes or ponds as soon as possible. Use earth, saw dust or sand to make dikes or to use as absorbent. Upon absorption, material will revert to asphalt state and can be removed with absorption material.

Waste Disposal Method

Dispose of material at an approved waste disposal site or facility.

SECTION VIII SPECIAL PROTECTION INFORMATION

Respiratory Protection (Specify Type)

Normally not needed

Ventilation	Local Exhaust	Special
	Mechanical (General)	

Protective Gloves

Normally not needed, unless prolonged contact is expected.

Eye Protection

Goggles or face shield when eye contact may occur.

Other Protective Equipment

Normally not needed.

SECTION IX SPECIAL PRECAUTIONS

Precautions to be Taken in Handling & Storing

Avoid skin contact.

Other Precautions

Laundry contaminated clothing before re-use. Wash skin thoroughly with soap after handling.

For Additional Information on
Health Effects Contact:

Mr. Marvin K. Exline
Director of Research
Bituminous Materials Company, Inc.
P. O. Box 1507
Terre Haute, IN 47808
(812) 232-0421 Ext. 60

A No. 20

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